

Translation of abstract of EP 483 357 A1

The method of wave energy conversion is made by the aid of a wave energy plant, which has a floating means (1), adjacent to which vertical guides (7) are arranged, which minimally take up the wave oscillations, whereby an oscillation producer (2) with counterweights is present, which counterweights move accelerating in a predetermined path. The co-operation of the oscillation producer (2) with the floating means (1) and the guides (7) is such that during each period of rising and lowering of the floating means (1) on the wave, the counterweights (3) will turn more than once around their axis, whereby the axis (4) of the counterweights (3) under the influence of the floating means (1) are displaced a plurality of times, whereby during each complete turn of the counterweights (3) around the axis (4) within predetermined time periods at least one displacement of the axis (4) occur, whereby each change of period of the rising and lowering of the floating means (81) on the wave the direction of movement of the axis (84) of the counterweights (3) is changed to the opposite while maintaining the energy stored in the counterweights. The obtaining of the energy from the counterweights (3) occur during the periods of the rising and lowering of the floating means (1) on the wave.

The innovation can be used within the energy technique for effective conversion of wave energy into electric energy.

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